

09/700696

529 Rec'd PCT/PTC 17 NOV2000

SEQUENCE LISTING

<110> University College London

<120> A novel polypeptide hormone phosphatonin

<130> D1583PCT

<140> PCT/EP99/03403

<141> 1999-05-18

<160> 25

<170> PatentIn Ver. 2.1

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<212> DNA

<213> Homo sapiens

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ctg agg atg tca att tat cct aag tca act ggg aat aaa ggg ttt gag      96
Leu Arg Met Ser Ile Tyr Pro Lys Ser Thr Gly Asn Lys Gly Phe Glu
           20              25              30

gat gga gat gat gct atc agc aaa cta cat gac caa gaa gaa tat ggc      144
Asp Gly Asp Asp Ala Ile Ser Lys Leu His Asp Gln Glu Glu Tyr Gly
       35              40              45

gca gct ctc atc aga aat aac atg caa cat ata atg ggg cca gtg act      192
Ala Ala Leu Ile Arg Asn Asn Met Gln His Ile Met Gly Pro Val Thr
   50              55              60

gcg att aaa ctc ctg ggg gaa gaa aac aaa gag aac aca cct agg aat      240
Ala Ile Lys Leu Leu Gly Glu Glu Asn Lys Glu Asn Thr Pro Arg Asn
   65              70              75              80

gtt cta aac ata atc cca gca agt atg aat tat gct aaa gca cac tcg      288
Val Leu Asn Ile Ile Pro Ala Ser Met Asn Tyr Ala Lys Ala His Ser
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aag gat aaa aag aag cct caa aga gat tcc caa gcc cag aaa agt cca      336
Lys Asp Lys Lys Lys Pro Gln Arg Asp Ser Gln Ala Gln Lys Ser Pro
       100              105              110

gta aaa agc aaa agc acc cat cgt att caa cac aac att gac tac cta      384
Val Lys Ser Lys Ser Thr His Arg Ile Gln His Asn Ile Asp Tyr Leu
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09/700696
 529 Rec'd PCT/PTC 17 NOV2000

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Lys His Leu Ser Lys Val Lys Lys Ile Pro Ser Asp Phe Glu Gly Ser	
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Gly Tyr Thr Asp Leu Gln Glu Arg Gly Asp Asn Asp Ile Ser Pro Phe	
145 150 155 160	
agt ggg gac ggc caa cct ttt aag gac att cct ggt aaa gga gaa gct	528
Ser Gly Asp Gly Gln Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu Ala	
165 170 175	
act ggt cct gac cta gaa ggc aaa gat att caa aca ggg ttt gca ggc	576
Thr Gly Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr Gly Phe Ala Gly	
180 185 190	
cca agt gaa gct gag agt act cat ctt gac aca aaa aag cca ggt tat	624
Pro Ser Glu Ala Glu Ser Thr His Leu Asp Thr Lys Lys Pro Gly Tyr	
195 200 205	
aat gag atc cca gag aga gaa gaa aat ggt gga aat acc att gga act	672
Asn Glu Ile Pro Glu Arg Glu Glu Asn Gly Gly Asn Thr Ile Gly Thr	
210 215 220	
agg gat gaa act gcg aaa gag gca gat gct gtt gat gtc agc ctt gta	720
Arg Asp Glu Thr Ala Lys Glu Ala Asp Ala Val Asp Val Ser Leu Val	
225 230 235 240	
gag ggc agc aac gat atc atg ggt agt acc aat ttt aag gag ctc cct	768
Glu Gly Ser Asn Asp Ile Met Gly Ser Thr Asn Phe Lys Glu Leu Pro	
245 250 255	
gga aga gaa gga aac aga gtg gat gct ggc agc caa aat gct cac caa	816
Gly Arg Glu Gly Asn Arg Val Asp Ala Gly Ser Gln Asn Ala His Gln	
260 265 270	
ggg aag gtt gag ttt cat tac cct cct gca ccc tca aaa gag aaa aga	864
Gly Lys Val Glu Phe His Tyr Pro Pro Ala Pro Ser Lys Glu Lys Arg	
275 280 285	
aaa gaa ggc agt agt gat gca gct gaa agt acc aac tat aat gaa att	912
Lys Glu Gly Ser Ser Asp Ala Ala Glu Ser Thr Asn Tyr Asn Glu Ile	
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Pro Lys Asn Gly Lys Gly Ser Thr Arg Lys Gly Val Asp His Ser Asn	
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agg aac caa gca acc tta aat gaa aaa caa agg ttt cct agt aag ggc	1008
Arg Asn Gln Ala Thr Leu Asn Glu Lys Gln Arg Phe Pro Ser Lys Gly	
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Lys Asp Lys Lys Lys Pro Gln Arg Asp Ser Gln Ala Gln Lys Ser Pro
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 Val Lys Ser Lys Ser Thr His Arg Ile Gln His Asn Ile Asp Tyr Leu
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 180 185 190
 Pro Ser Glu Ala Glu Ser Thr His Leu Asp Thr Lys Lys Pro Gly Tyr
 195 200 205
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 210 215 220
 Arg Asp Glu Thr Ala Lys Glu Ala Asp Ala Val Asp Val Ser Leu Val
 225 230 235 240
 Glu Gly Ser Asn Asp Ile Met Gly Ser Thr Asn Phe Lys Glu Leu Pro
 245 250 255
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 260 265 270
 Gly Lys Val Glu Phe His Tyr Pro Pro Ala Pro Ser Lys Glu Lys Arg
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 Lys Glu Gly Ser Ser Asp Ala Ala Glu Ser Thr Asn Tyr Asn Glu Ile
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 Pro Lys Asn Gly Lys Gly Ser Thr Arg Lys Gly Val Asp His Ser Asn
 305 310 315 320
 Arg Asn Gln Ala Thr Leu Asn Glu Lys Gln Arg Phe Pro Ser Lys Gly
 325 330 335
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 Lys Asn Glu Met Asp Ser Phe Asn Gly Pro Ser His Glu Asn Ile Ile
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 Thr His Gly Arg Lys Tyr His Tyr Val Pro His Arg Gln Asn Asn Ser
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0970956 : 0543074

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<210> 7
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<213> Artificial Sequence

<220>
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Sequence

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<210> 8
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<220>
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<120> A Novel Polypeptide Hormone Phosphatonin

<130> VOSS001

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<141> 2000-11-17

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<150> GB 9810681.8

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Thr	Gly	Pro	Asp	Leu	Glu	Gly	Lys	Asp	Ile	Gln	Thr	Gly	Phe	Ala	Gly
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Pro	Ser	Glu	Ala	Glu	Ser	Thr	His	Leu	Asp	Thr	Lys	Lys	Pro	Gly	Tyr
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Arg	Asp	Glu	Thr	Ala	Lys	Glu	Ala	Asp	Ala	Val	Asp	Val	Ser	Leu	Val
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Gly	Lys	Val	Glu	Phe	His	Tyr	Pro	Pro	Ala	Pro	Ser	Lys	Glu	Lys	Arg
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Pro	Lys	Asn	Gly	Lys	Gly	Ser	Thr	Arg	Lys	Gly	Val	Asp	His	Ser	Asn
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Arg	Asn	Gln	Ala	Thr	Leu	Asn	Glu	Lys	Gln	Arg	Phe	Pro	Ser	Lys	Gly
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Lys	Ser	Gln	Gly	Leu	Pro	Ile	Pro	Ser	Arg	Gly	Leu	Asp	Asn	Glu	Ile

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